

WHAT IS CLAIMED IS:

1. A force-feedback input device comprising:
 - an operating unit to be operated by an operator;
 - 5 a position detector for detecting an operating state of the operating unit;
 - a torque generator for applying a force to the operating unit;
 - an ambient-temperature measuring unit for measuring the
 - 10 ambient temperature of the torque generator;
 - a controller for controlling the driving of the torque generator according to position information output from the position detector so that a force in accordance with the operating state of the operating unit is applied to the
 - 15 operating unit, and for calculating an estimated temperature of the torque generator on the basis of a current supplied to the torque generator and the ambient temperature output from the ambient-temperature measuring unit;
 - a storage unit for storing the estimated temperature
 - 20 calculated by the controller; and
 - a power supply for supplying power to the position detector, the torque generator, the controller, and the storage unit,
 - wherein, when the power supply is restarted after being
 - 25 stopped, the controller compares an estimated temperature immediately before the power supply is stopped, the estimated temperature stored in the storage unit, and the ambient temperature output from the ambient-temperature measuring

unit, and calculates a new estimated temperature with reference to higher one of the estimated temperature and the ambient temperature.

- 5 2. A force-feedback input device according to claim 1, wherein the controller reduces the current supplied to the torque generator when the calculated estimated temperature exceeds a predetermined value.